

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
04455/024001SERIAL NO.  
07/824,287INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Kazufumi OGAWA et al.FILING DATE  
January 23, 1992GROUP  
1508

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W. A. Dwyer</i>	AA	4 5 3 9 0 6 1	09/03/85	Sagiv	156	278	150
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>W. A. Dwyer</i>	AL	EP-A-0346074	12-13-89	Europe	—	—	X	
<i>W. A. Dwyer</i>	AM	EP-A-0482613	04-29-92	Europe	—	—	X	
<i>W. A. Dwyer</i>	AN	EP-A-0491251	06-24-92	Europe	—	—	X	
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AQ	
	AR	
	AS	

EXAMINER

*W. A. Dwyer*

DATE CONSIDERED

*11-25-92*

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>M. N. R.</i>	AA	4 5 3 9 0 6 1	09-03-85	Sagiv	156	278	85
<i>M. N. R.</i>	AB	4 8 6 3 7 9 4	09-05-89	Fujii	478	325	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>M. N. R.</i>	AL	EP-A-O 363 924	10-11-89	Europe	—	—	—	—
<i>M. N. R.</i>	AM	EP-A-O 386 784	03-09-90	Europe	—	—	—	—
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>M. N. R.</i>	AQ	World Patents Index Latest, Derwent Publications Ltd., London, GB; AN 86-065417 &
		JP-A-61 016 910 (Hitachi Cable KK), January 24, 1986 (abstract).
	AR	
	AS	

EXAMINER

*M. N. R.*

DATE CONSIDERED

11-25-92

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.